

Context Sensitive Solutions: Glenwood Avenue Bridge

- The Context
- The Sensitivities
- The Solution
- The Success

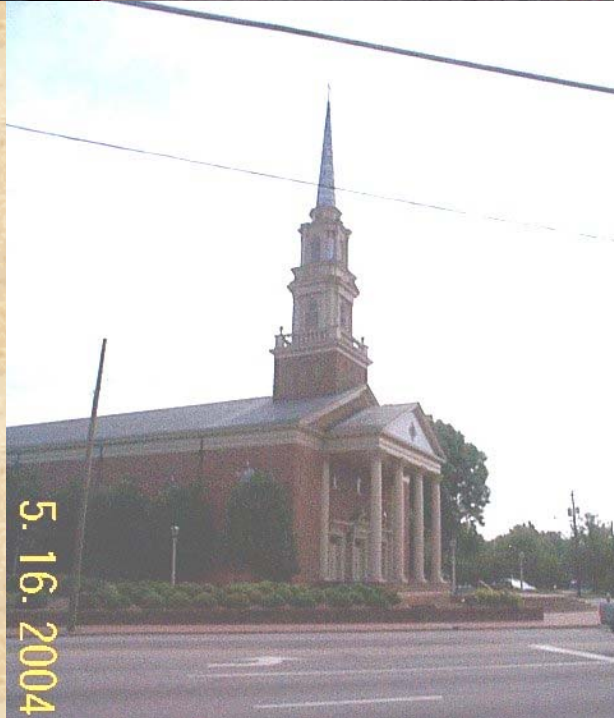




The Context

Glenwood Avenue Bridge

Five Points



CITY OF RALEIGH CITY COUNCIL DISTRICTS

COUNCIL DISTRICTS

COUNCIL PERSON

MAYOR - CHARLES MEEKER
AT LARGE - JANET COMELL
AT LARGE - NEAL HUNT

- A - MICHAEL REGAN
- B - JESSIE TALSAFERRO
- C - JAMES WEST
- D - THOMAS CROWDER
- E - PHILIP ISLEY

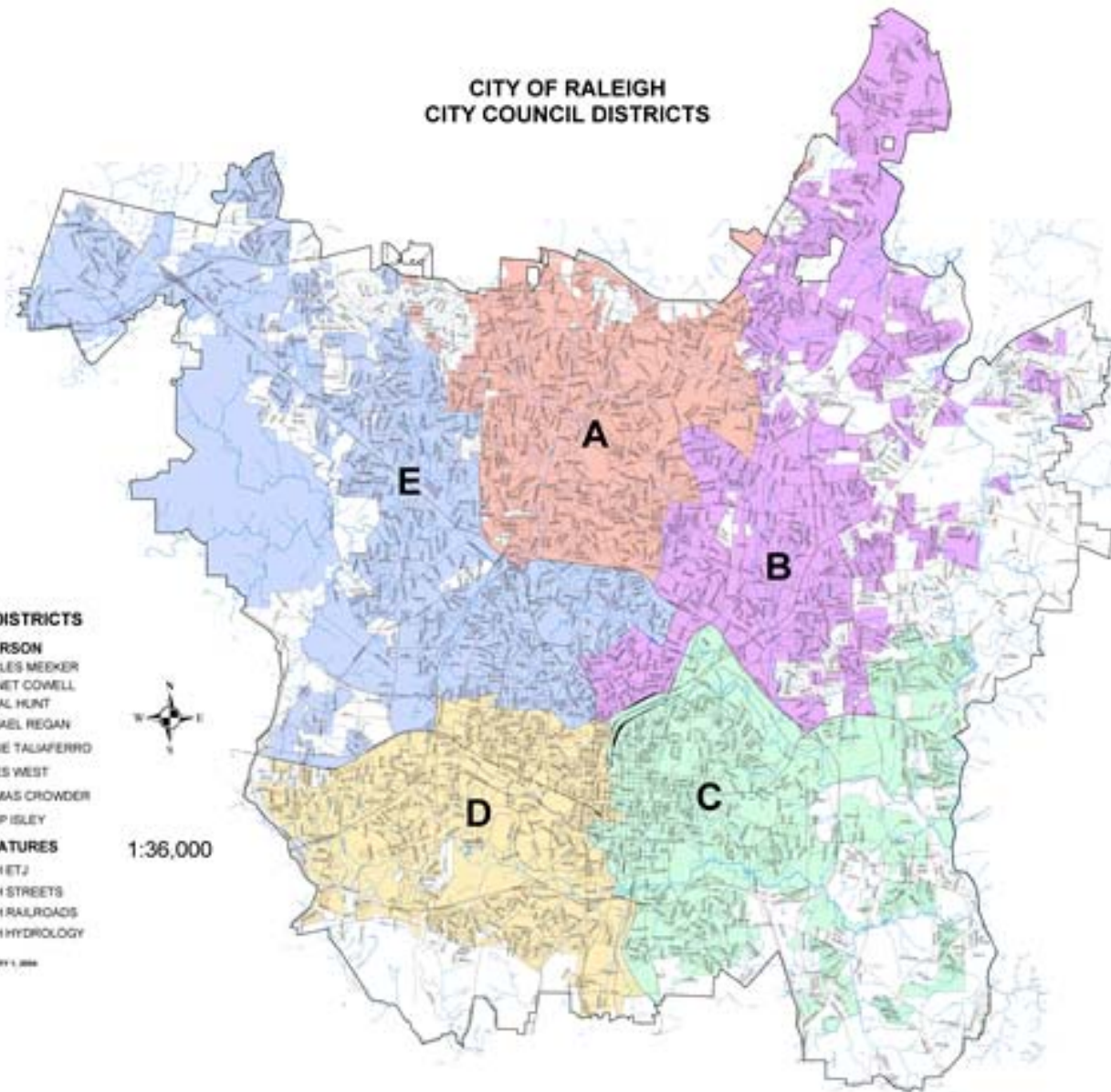
RALEIGH FEATURES

- RALEIGH ETJ
- RALEIGH STREETS
- RALEIGH RAILROADS
- RALEIGH HYDROLOGY

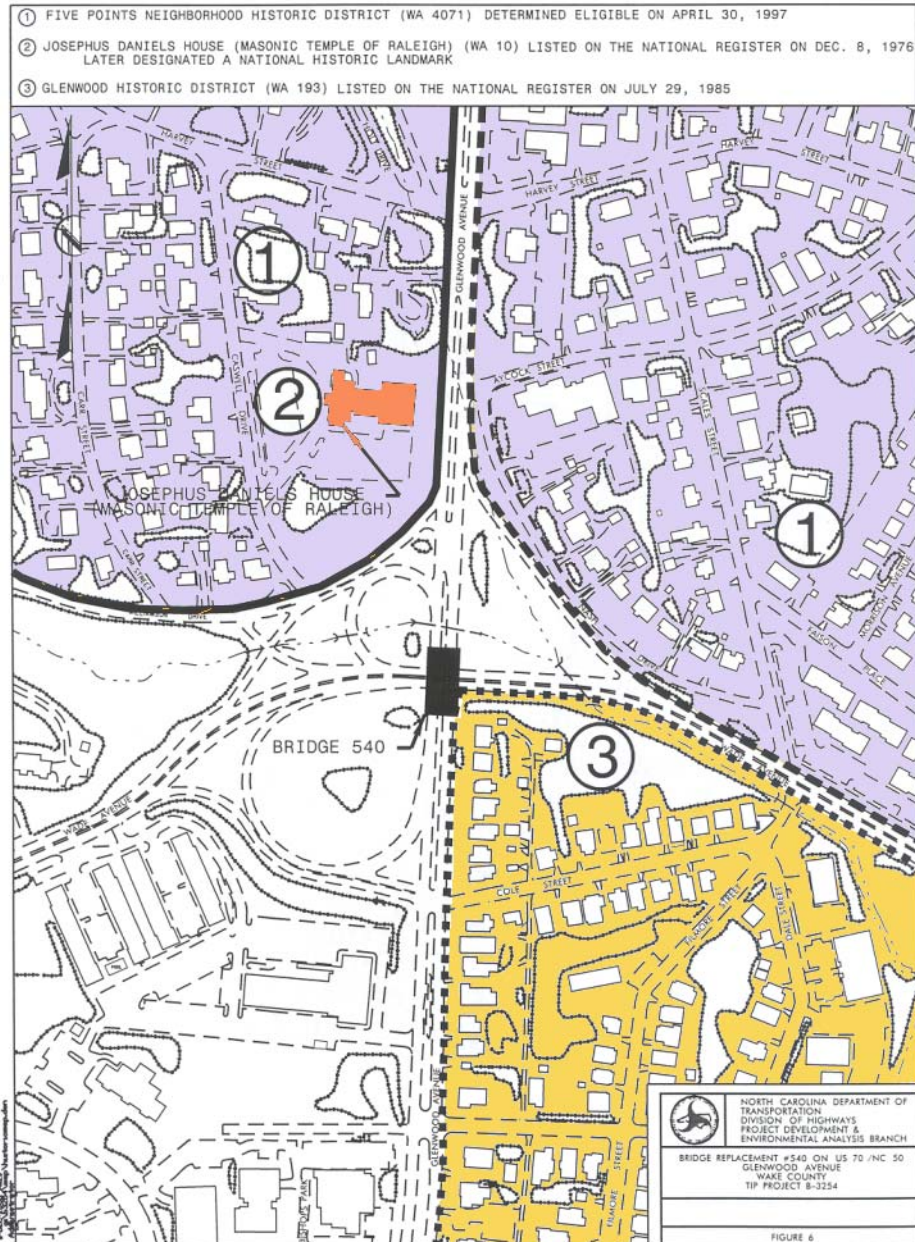


1:36,000

EFFECTIVE AS OF JANUARY 1, 2006



NATIONAL REGISTER HISTORIC PROPERTIES AND DISTRICTS



GLENWOOD AVENUE



Five Points Historic District









5.16.2004



5. 16. 2004

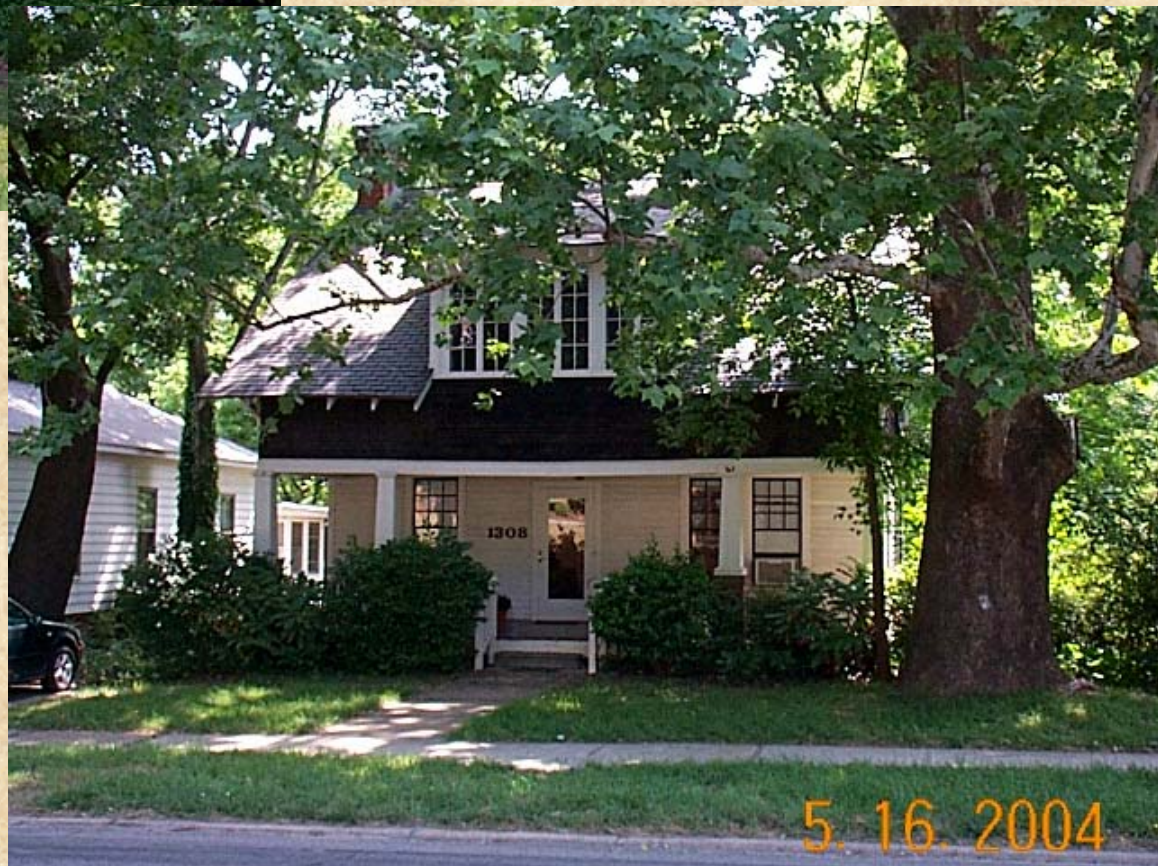


Glenwood Historic District





5.



5. 16. 2004



The Josephus Daniels House

A National Historic Landmark



The image shows a close-up, slightly angled view of a cobblestone street. The stones are irregular in shape and size, with a mix of brown, tan, and grey tones. The text "The Old Bridge" is centered over the middle of the image in a white, serif font. The overall texture is rough and aged, suggesting a historical setting.

The Old Bridge



NC DOT

Existing Conditions

TIP# B-3254
Bridge No. 540 on NC 50
Glenwood Avenue over SR 1728
Wade Avenue

Prepared by Earth Tech



NCDOT 

Existing Conditions

TIP# B-3254
Bridge No. 540 on NC 50
Glenwood Avenue over SR 1728
Wade Avenue

Prepared by Earth Tech



The Sensitivities

Glenwood Avenue Bridge









The Sensibilities included:

Trees

Construction

traffic, noise, and vibration

Traffic Flow,

*esp. proposed signals (Cole St. and
Wade Ave. off ramp)*

Aesthetics

“Look like the old one”

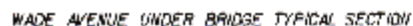
The Stakeholders

- Five Points Citizens Advisory Council
- Glenwood-Brooklyn Neighborhood (NRHD)
- Raleigh City Council (Appearance Commission)
- State Historic Preservation Office
- Raleigh Historic Commission
- NCDOT/FHWA











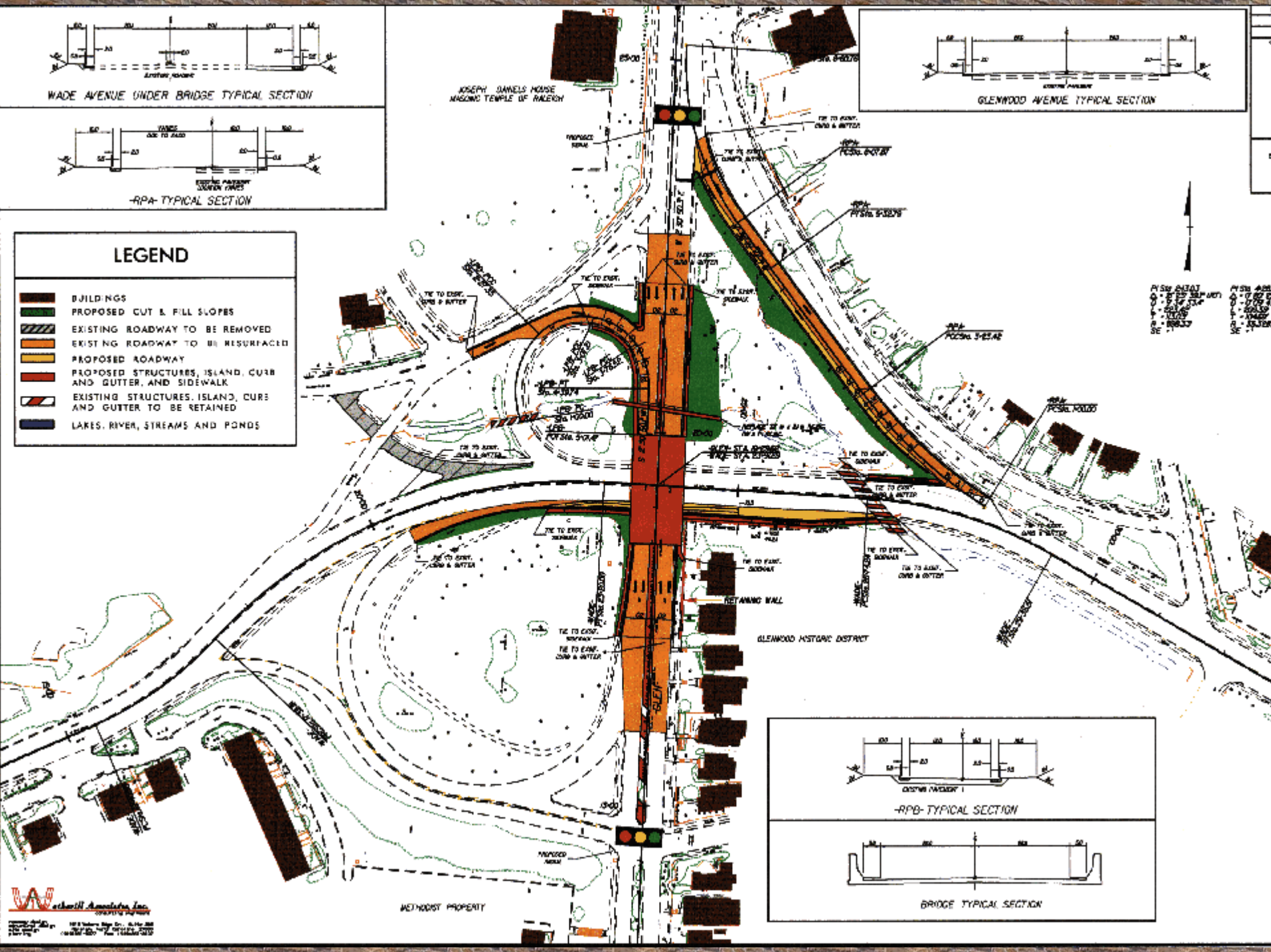
The Solution

Glenwood Avenue Bridge



LEGEND

- | | |
|---|---|
|  | BUILDINGS |
|  | PROPOSED CUT & FILL SLOPES |
|  | EXISTING ROADWAY TO BE REMOVED |
|  | EXISTING ROADWAY TO BE RESURFACED |
|  | PROPOSED ROADWAY |
|  | PROPOSED STRUCTURES, ISLAND, CURB AND GUTTER, AND SIDEWALK |
|  | EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE RETAINED |
|  | LAKES, RIVER, STREAMS AND PONDS |



~~RPB-TYPICAL SECTION~~



BRIDGE TYPICAL SECTION

G



NCDOT



Conceptual Rendering

TIP# B-3254

Bridge No. 540 on US 70/NC 50

Glenwood Avenue over SR 1728

Wade Avenue

Conceptual rendering prepared by Earth Tech

(July 2000)













5.16.2004





NCDOT
Conceptual Rendering

TIP# B-3254
Bridge No. 540 on US 70/NC 50
Glenwood Avenue over SR 1728
Wade Avenue

Conceptual rendering prepared by Earth Tech June 2001





Rendering



Actual



Before



After















The (Keys to our) Success

Glenwood Avenue Bridge

The Team

- Structure Design
- Roadside Environmental
- PDEA
- Division
- City
- Design Services



















5. 16. 2004







Evidence of Success

- “Relax, taxpayer. That really isn't sandstone masonry supporting the nearly finished Glenwood Avenue bridge over Wade Avenue...Even at eye level with Wade Avenue commuters who hurry beneath the Glenwood bridge every day, this fake stone looks like the real thing. When they designed a \$3 million replacement for the obsolescent Glenwood bridge, state Department of Transportation engineers wanted to build something that wouldn't look out of place in the old Raleigh neighborhood.” *Bruce Siceloff, 5/11/04 News and Observer*
- “Perfect!” *Neighbor and Appearance Commission Member when asked about the color of the wall.*
- “You’ve done a very good job.” *City of Raleigh official*

All for a mere (?) \$3,000,000